

ESCALANTE VALLEY, UTAH

1973 - 1974

The 1973-1974 water year was slightly below normal. The first part of the year, Oct. thru April saw several wet months, January (240%), April (170%), but the balance of the year during the growing season was quite dry. May through June was nearly void of any moisture and August through September saw only scanty amounts, less than 15% of the 30-year normal (1931-1960). The average precipitation for the 5 month period, May - September, was 1.55 inches compared to a normal of 4.02 inches.

Temperatures were generally near normal throughout the year without any marked departures from the long term average. March and June were both slightly above normal. Streamflow for the water year at Beaver was 29,400 acre-feet, 99% of the 15-year (1958-1972) average, considerably less than the 43,600 acre-feet in the 1972-1973 water year. Minersville reservoir contained 22,600 acre-feet of water, 161% of average on April 30, 1974.

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TABLE I

Weather Data for Stations in or near Esclante Valley, Utah  
Milford Area 1972-1974

	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>Water Year TOTAL</u>	<u>Cal. Year TOTAL</u>
<u>MILFORD WSO</u>														
Temperature														
1972	45.0	34.8	25.1	29.1	35.7	44.3	47.6	56.7	68.2	75.7	70.5	61.0	49.5	49.9
1973	49.6	34.9	15.8	14.3	29.0	35.9	42.7	56.8	64.5	72.5	72.2	58.9	45.6	47.0
1974	49.2	37.5	30.4	20.9	26.9	43.3	44.3	59.4	69.3	73.3	70.5	62.8	49.0	---
1931-60 Average	50.7	36.1	28.2	24.6	29.7	38.5	47.7	56.5	65.4	73.8	72.2	63.1	48.9	48.9
Precipitation														
1972	2.47	.20	1.33	.05	.01	.00	.96	.02	.66	.04	2.52	.62	8.88	10.65
1973	2.61	.95	2.21	.71	.61	1.65	2.28	.96	.89	.49	.67	.15	14.08	10.49
1974	1.58	1.58	.22	1.51	.36	.45	.82	.01	.00	1.03	.23	.19	7.98	---
1931-60 Average	.77	.52	.71	.57	.70	1.03	.72	.69	.43	.70	.73	.43	8.00	8.00
<u>MINERSVILLE</u>														
Temperature														
D A T A N O T A V A I L A B L E														
Precipitation														
1972	1.95	.17	1.51	.03	.00	.00	.66	.00	1.12	.02	1.28	.99	7.73	10.31
1973	2.87	1.07	2.27	.60	.54	1.92	2.02	2.03	.63	.66	.55	.20	15.36	11.49
1974	.88	.99	.47	1.88	.10	.61	1.88	.00	.00	.65	.08	.08	7.62	---
1938-60 Average	.86	.73	.70	.75	.83	1.11	.96	.69	.50	.79	1.14	.88	9.94	9.94
<u>WEAVER</u>														
Temperature														
1972	44.2	34.5	--	29.0	33.9	42.8	44.9	53.0	48.5	72.5	67.0	57.9	--	46.1
1973	47.8	33.7	23.1	21.2	30.9	33.9	41.3	55.0	62.1	68.6	67.1	56.1	45.1	45.9
1974	47.6	36.1	30.5	24.9	28.0	41.5	43.0	56.0	64.8	69.3	66.0	60.5	47.4	---
1931-60 Average	48.7	36.1	29.8	26.8	30.7	37.5	45.9	53.8	62.0	69.3	67.6	60.3	47.4	47.4
Precipitation														
1972	1.29	.36	1.51	.02	.04	.00	.48	.07	1.37	.10	2.19	1.56	8.99	11.94
1973	3.18	1.21	1.72	.80	.60	2.12	2.45	1.58	1.20	.42	3.42	.27	18.97	15.27
1974	.73	.96	.72	1.92	.36	.73	1.85	.00	.00	2.31	.07	.02	9.67	---
1931-60 Average	.99	.61	.79	.86	.98	1.06	.99	.96	.65	1.26	1.44	.77	11.35	11.35